

Title (en)  
Pouring nozzle

Title (de)  
Tauchrohr

Title (fr)  
Buse de coulée

Publication  
**EP 1878519 B1 20080227 (EN)**

Application  
**EP 06014520 A 20060713**

Priority  
EP 06014520 A 20060713

Abstract (en)  
[origin: EP1878519A1] The invention relates to a pouring nozzle. Such pouring nozzle may be used for the transfer of a metal melt from one (upper) metallurgical vessel to a second (lower) metallurgical vessel, for example for the transfer of a steel melt from a ladle to a tundish.

IPC 8 full level  
**B22D 41/50** (2006.01)

CPC (source: EP US)  
**B22D 41/50** (2013.01 - EP US)

Cited by  
EP3112050A4; JP2017514692A; US10232435B2; WO2014042611A1; WO2015171114A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1878519 A1 20080116; EP 1878519 B1 20080227;** AT E387276 T1 20080315; BR PI0713922 A2 20121127; CN 101547761 A 20090930; DE 602006000598 D1 20080410; DE 602006000598 T2 20090326; ES 2300084 T3 20080601; MX 2009000332 A 20090129; PL 1878519 T3 20080630; RU 2393054 C1 20100627; UA 93916 C2 20110325; US 2009173757 A1 20090709; WO 2008006438 A1 20080117; ZA 200900015 B 20091230

DOCDB simple family (application)

**EP 06014520 A 20060713;** AT 06014520 T 20060713; BR PI0713922 A 20070615; CN 200780026309 A 20070615; DE 602006000598 T 20060713; EP 2007005271 W 20070615; ES 06014520 T 20060713; MX 2009000332 A 20070615; PL 06014520 T 20060713; RU 2008152194 A 20070615; UA A200900173 A 20070615; US 30536607 A 20070615; ZA 200900015 A 20090105